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OM nucleic - nucleic search, using sw model

Run on: October 23, 1999, 02:11:16 ; Search time 57.27 Seconds  
(without alignments)  
3464.479 Million cell updates/sec

Title: US-08-978-217-3

Perfect score: 1907  
Sequence: 1 CGGCCAGATACCTCAGCGCT.....CTAATAAAAAAAAAAAAAA 1907

Scoring table: IDENTITY\_NUC

Searched: 192659 seqs, 52021692 residues

base : Issued Patents, NA:\*

- 1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/5C.COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/5D.COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/5E.COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1843.2	96.7	1920	US-08-746-789A-1	Sequence 1, Appl1
2	84.8	4.4	2266	US-09-213-767-1	Sequence 1, Appl1
3	73.4	3.8	2975	US-08-368-281-1	Sequence 1, Appl1
4	73.4	3.1	3240	US-08-368-281-3	Sequence 3, Appl1
5	59.8	3.8	2667	US-08-469-412A-1	Sequence 1, Appl1
6	51.2	2.7	2410	US-08-780-835B-1	Sequence 1, Appl1
7	51.2	2.7	7218	US-08-232-463-14	Sequence 14, Appl1
8	49.6	2.6	1604	US-08-306-691B-43	Sequence 43, Appl1
9	49.6	2.6	1604	PCT-US93-06251-9	Sequence 9, Appl1
10	44.6	2.3	1364	US-08-306-691B-50	Sequence 50, Appl1
11	44.6	2.3	1364	PCT-US93-06251-65	Sequence 65, Appl1
12	41.8	2.2	2544	US-08-469-412A-6	Sequence 6, Appl1
13	38.8	2.0	2089	US-07-977-630-81	Sequence 81, Appl1
14	38.8	2.0	2089	US-07-977-630-82	Sequence 82, Appl1
15	38.8	2.0	5173	US-08-242-677-1	Sequence 1, Appl1
16	38.8	2.0	3993	US-08-316-950-14	Sequence 14, Appl1
17	38.8	2.0	6044	US-08-316-950-18	Sequence 18, Appl1
18	38.8	2.0	50341	US-08-247-901C-1	Sequence 1, Appl1
19	38.8	2.0	3893	PCT-US95-12642-14	Sequence 14, Appl1
20	38.8	2.0	6044	PCT-US95-12642-18	Sequence 18, Appl1
21	36.2	1.9	11219	US-07-642-734C-1	Sequence 1, Appl1
22	36.2	1.9	1155	US-08-675-650B-3	Sequence 3, Appl1
23	35.6	1.9	1157	US-07-709-949-1	Sequence 1, Appl1
24	35.4	1.9	1680	US-08-234-783-3	Sequence 3, Appl1
25	35.4	1.9	1680	US-08-456-907-3	Sequence 3, Appl1
26	35.4	1.9	1680	PCT-US95-05523-3	Sequence 3, Appl1
27	35.4	1.9	1680	PCT-US95-05523-3	Sequence 3, Appl1
28	35.4	1.9	1680	PCT-US95-05523-3	Sequence 3, Appl1
29	34.6	1.8	1240	US-08-471-044-30	Sequence 30, Appl1
30	34.6	1.8	4616	US-08-471-044-30	Sequence 30, Appl1
31	34.6	1.8	2403	US-08-471-044-30	Sequence 30, Appl1
32	34.6	1.8	2403	US-08-471-044-30	Sequence 30, Appl1
33	34.6	1.8	4616	US-08-452-567-1	Sequence 1, Appl1
34	34.6	1.8	2403	US-08-463-483A-30	Sequence 30, Appl1
35	34.6	1.8	2403	US-08-471-046A-30	Sequence 30, Appl1
36	34.6	1.8	2403	US-08-470-566B-30	Sequence 30, Appl1
37	34.6	1.8	2403	US-08-838-219B-7	Sequence 7, Appl1

38	34.6	1.8	2370	US-08-838-219B-19	Sequence 19, Appl1
39	34.6	1.8	2241	US-08-838-219B-20	Sequence 20, Appl1
40	34.6	1.8	4616	US-08-452-427-1	Sequence 1, Appl1
41	34.6	1.8	1155	US-08-675-650B-5	Sequence 5, Appl1
42	33.6	1.8	1288	US-08-440-856A-9	Sequence 9, Appl1
43	33.6	1.8	1386	US-08-897-340-1	Sequence 1, Appl1
44	33.4	1.8	1603	US-08-625-209A-1	Sequence 1, Appl1
45	33	1.7	4031	US-08-463-483A-49	Sequence 49, Appl1

#### ALIGNMENTS

```

RESULT 1
US-08-746-789A-1
: Sequence 1, Application US/08746789A
: Patent No. 5789200
: GENERAL INFORMATION:
: APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debeuck
: TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SmithKline Beecham Corporation
: STREET: 709 Swedeland Road, P.O. Box 1539
: CITY: King of Prussia
: STATE: PA.
: COUNTRY: USA
: ZIP: 19406-0939
: COMPUTER READABLE FORM:
: MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
: OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
: SOFTWARE: MICROSOFT WORD
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/746,789A
: FILING DATE: No. 5789200el December 15, 1996
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: William T. Han
: REGISTRATION NUMBER: 34,344
: REFERENCE/DOCKET NUMBER: ATG 50024
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610 270 4026
: TELEFAX: 610 270 4026
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1920
: TYPE: Nucleic Acid
: STRANDEDNESS: Single
: TOPOLOGY: Linear
: ANTI-SENSE: NO
: US-08-746-789A-1

Query Match          96.7% Score 1843.2: DB 3: Length 1920:
Best Local Similarity 99.1% Pred. No. 0:
Matches 1885: Conservative 0: Mismatches 13: Indels 4: Gaps 3:

QY 1 CGGCCAGATACCTCAGCGCTGCGGAGTGTCTCTCCGCGCTGCCGCTGC 60
DB 20 CGGCCAGATACCTCAGCGCTGCGGAGTGTCTCTCCGCGCTGCCGCTGC 79
QY 61 CTCGCCACAGCGGAGTCTCCGCTGAGCTTCTGCTGCACTGAGTATGAGA 120
DB 80 CTCGCCACAGCGGAGTCTCCGCTGAGCTTCTGCTGCACTGAGTATGAGA 139
QY 121 ACATTTTACCACTCTTCACTGATGATGATGATGATGATGATGATGATG 180
DB 140 ACATTTTACCACTCTTCACTGATGATGATGATGATGATGATGATGATG 199
  
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OY	181	TTCCCCCTGCTGCACACCTTTGGGGGCGATGACTGTGGTAACGACCTTGAGAACCCCCACA	240
Db	200	TTCCCCCTGCTGCACACCTTTGGGGGCGATGACTGTGGTAACGACCTTGAGAACCCCCACA	259
OY	241	TGTCAATTGGAGGATACAGAGAAAGCCAGCTGTGGTGGGGAAACAGCCCAAGTTCTGGTCA	300
Db	260	TGTCAATTGGAGGATACAGAGAAAGCCAGCTGTGGTGGGGAAACAGCCCAAGTTCTGGTCA	319
OY	301	AGACCCAGGTTCTGAGCTGCATCAGTACCAAGTGGAGAAACAAATACAGACGCAAGCG	360
Db	320	AGACCCAGGTTCTGAGCTGCATCAGTACCAAGTGGAGAAACAAATACAGACGCAAGCG	379
OY	361	CCATTGACCTTCCAGATGTACATGGATGGGCGCAACCTGTCAATTTGGCCTTGAAG	420
Db	380	CCATTGACCTTCCAGATGTACATGGATGGGCGCAACCTGTCAATTTGGCCTTGAAG	439
OY	421	AGCTGCGTCTGTGTTTGGGCGCTTGGGGGACCAACTGCATGGCCAGCTGGCAGACTCA	480
Db	440	AGCTGCGTCTGTGTTTGGGCGCTTGGGGGACCAACTGCATGGCCAGCTGGCAGACTCA	499
OY	481	CTTCCAGCTCTTCTGATGAGCTCAGTTGGATCATTGAGCTGCTGGAGAAAGATGSCATGG	540
Db	500	CTTCCAGCTCTTCTGATGAGCTCAGTTGGATCATTGAGCTGCTGGAGAAAGATGSCATGG	559
OY	541	CTTTCCAGAGAGCCCTAGACCAGGCGCCCTTTGACCAAGGCGACCCCTTTGCCACAGAGC	600
Db	560	CTTTCCAGAGAGCCCTAGACCAGGCGCCCTTTGACCAAGGCGACCCCTTTGCCACAGAGC	619
OY	601	TGCTGGAGAGGATGACACAAAGCCAGCCCTTACCAACCCGGGCACTGTGGCGCAGAGGCC	660
Db	620	TGCTGGAGAGGATGACACAAAGCCAGCCCTTACCAACCCGGGCACTGTGGCGCAGAGGCC	679
OY	661	CTTCCCTGGCAGCTCTGAGGCTCCACCGCAGAGAGTGGTGGTCTCGAGACTCCACT	720
Db	680	CTTCCCTGGCAGCTCTGAGGCTCCACCGCAGAGAGTGGTGGTCTCGAGACTCCACT	739
OY	721	CCTCAGACTCCGGTGGAGAGTGAAGTGGACTGGATCCCACTATGGCAAGCTCTTCCCA	780
Db	740	CCTCAGACTCCGGTGGAGAGTGAAGTGGACTGGATCCCACTATGGCAAGCTCTTCCCA	799
OY	781	GCAGATGTTTTCGTGATCTGCAGAAAGGGGGATCCCAAGCAGGGGAAGCGGAAACGAGGCC	840
Db	800	GCAGATGTTTTCGTGATCTGCAGAAAGGGGGATCCCAAGCAGGGGAAGCGGAAACGAGGCC	859
OY	841	GGCCCCGAAAGCTGAGCAAAAGAGTACTGSGACTGTCTCGAGGGGCAAGAGACGAAAGCAG	900
Db	860	GGCCCCGAAAGCTGAGCAAAAGAGTACTGSGACTGTCTCGAGGGGCAAGAGACGAAAGCAG	919
OY	901	CGCCCCAGAGGCAACCCACTGTGGGAGTTATCCGGGACATCTCATCCACCCGAGCTCA	960
Db	920	CGCCCCAGAGGCAACCCACTGTGGGAGTTATCCGGGACATCTCATCCACCCGAGCTCA	979
OY	961	ACGAGGGGCTCTAGAAATGGGAGATTCGGATGAAGGCGTTCGAAGTTCCTGGCCTCG	1020
Db	980	ACGAGGGGCTCTAGAAATGGGAGATTCGGATGAAGGCGTTCGAAGTTCCTGGCCTCG	1039
OY	1021	AGGCTGTGGCCCAACTATGTGGGCGCAAAAGAAAGAAACAGCAACATGACCTACGAGAAGC	1080
Db	1040	AGGCTGTGGCCCAACTATGTGGGCGCAAAAGAAAGAAACAGCAACATGACCTACGAGAAGC	1099
OY	1081	TGAGCCGGGCGCATGAGTACTACTACAAACGGGAGATCCTGGAAACGGGTGATGGCGCG	1140
Db	1100	TGAGCCGGGCGCATGAGTACTACTACAAACGGGAGATCCTGGAAACGGGTGATGGCGCG	1159
OY	1141	GACTGCTCTCAAGTTTGGGAAAACTCAAGCGGCTGGAGAGGAGAAAGGTTCCTCCAGA	1200
Db	1160	GACTGCTCTCAAGTTTGGGAAAACTCAAGCGGCTGGAGAGGAGAAAGGTTCCTCCAGA	1219
OY	1201	GTCGGAACTGAGGGTGTGGAATATACCCGGGACCAAACTACGGAGCACTCCAGGCTGCG	1260
Db	1220	GTCGGAACTGAGGGTGTGGAATATACCCGGGACCAAACTACGGAGCACTCCAGGCTGCG	1279
OY	1261	AAACCTTCTGTGGAGGAGCAGGCAAGCCAGATGGCCCTCCACTGGGGAATGCTCCAGCT	1320

Db	1280	AAACCTTCCTGGGAGAGACAGGACAGGCCACAGATGGCCCCCTCCATCTGGGGAAATGCTCCCACT	13399
Qy	1321	GTGCTGTGAGAGAGAGCTGATGTGTTTGGTGTATGTGCACCCATCGTCTTGGACTGGAG	13800
Db	1340	GTGCTGTGAGAGAGAGAGCTGATGTTTGGTGTATGTGCACCCATCGTCTTGGAGACTGGAG	13899
Qy	1381	ACTATGGCGCTCGGCGTCCCCCGCCCTCCTCTTGGAAATACAAAGCCCTGGGGTTTGAAGCTGA	14400
Db	1400	ACTATGGCGCTCGGCGTCCCCCGCCCTCCTCTTGGAAATACAAAGCCCTGGGGTTTGAAGCTGA	14599
Qy	1441	CTTATATAGCTGACAGTGTATCTCTTTATATCTGTGTCCTCTCTCAAAACCAGTCTCAGACA	15000
Db	1460	CTTATATAGCTGACAGTGTATCTCTTTATATCTGTGTCCTCTCTCAAAACCAGTCTCAGACA	15199
Qy	1501	CTTAAATGACAGACAAACCTCTTCTCTGACAGACACTTGGACTGAGCACAAGAGAGGCTTGGG	15600
Db	1520	C-TTAAATGACAGACAAACCTCTCTCTGACAGACACTGAGACTGAGCACAAGAGAGGCTTGGG	15788
Qy	1561	--AGGCCCTTAGGGAGCACCGGTGATGAGAGAGACAGACAGGGGGCTCCAGCA-CTTCTTTTC	16177
Db	1579	GAGGGCCCTTAGGGAGAGACCGGTGATGAGAGAGAGACAGACAGGGGGCTCCAGCACCCTTCTTTC	16388
Qy	1618	TGAGACTGGGCGTTACACCTCCCTGCTCAGTGCTTAGGGGCTCCAGGGGAGGGGTCCAGAGCACT	16777
Db	1639	TGAGACTGGGCGTTACACCTCCCTGCTCAGTGCTTAGGGGCTCCAGGGGAGGGGTCCAGAGCACT	16988
Qy	1678	CCCTAATTTATGTGCTATATAAATATATGCAGATGTACATATAGAGATCTATTTTTCTAAAA	17377
Db	1699	CCCTAATTTATGTGCTATATAAATATATGCAGATGTACATATAGAGATCTATTTTTCTAAAA	17588
Qy	1738	CATGCCCGCTCCCAACCTCCCTCCCAAGAGTGTGGAGCTTCCAGGGCCCTCCAGTGGGC	17977
Db	1759	CATGCCCGCTCCCAACCTCCCTCCCAAGAGTGTGGAGCTTCCAGGGCCCTCCAGTGGGC	18188
Qy	1798	TGATGCTGGGAGCCCTTAGAGTGGGGCTCCCAAGCTCCTTCTCTCTGTGAATGGAGGACAG	18577
Db	1819	TGATGCTGGGAGCCCTTAGAGTGGGGCTCCCAAGCTCCTTCTCTCTGTGAATGGAGGACAG	18788
Qy	1858	ACCTCCCAATTAAGTGCCTCTGGGCTTTTCTAAAAAATAA	1899
Db	1879	ACCTCCCAATTAAGTGCCTCTGGGCTTTTCTAAAAAATAA	1920

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RESULT      2
US-09-213-767-1
; Sequence 1, Application US/09213767
; Patent No. 5948680
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Lex M. Cossett
; TITLE OF INVENTION: ANTISENSE MODULATION OF ELK-1 EXPRESSION
; FILE REFERENCE: RTS-0024
; CURRENT APPLICATION NUMBER: US/09/213,767
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 1
; LENGTH: 2266
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (316)..(1602)
; US-09-213-767-1

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Query Match 4.4% Score 84.8; DB 4; Length 2266;  
Best Local Similarity 64.0%; Pred. No. 3,5e-14;  
Matches 126; Conservative 0; Mismatches 72; Indels 0; Gaps 0;

959 CACGAGGGCTCATGATGAGTGGAGATCGCAGTCGCTTTCAAGTTCCTGCCTC 1018  
|||||  
372 caatggcaccattctcttcgaactccagagatgtgttgcattcaacgcttgatgac 431